AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An apparatus comprising:

a tether having a length <u>suitable configured</u> for extending through a ventricle of a heart from, at a proximal end, an atrioventricular valve annulus to, at a distal end, one of a wall of a ventricle and a papillary muscle within the ventricle;

a deformable an aptation device coupled about an axis of the tether at a position corresponding to a location to contact cusps of an atrioventricular valve during systole, the aptation device comprising a body having a cross-sectional dimension greater than a cross-sectional dimension of the tether and that is deformable in response to forces applied to the aptation device by cusps of an atrioventricular valve; and

a fastening member coupled to the tether including a projection capable of anchoring the fastening member to a wall of a ventricle of a heart,

wherein the tether and aptation device are suitable for percutaneous delivery to a patient. and

wherein the tether extends through the aptation device and the distal end of the tether extends beyond a distal end of the aptation device.

2. (Canceled)

3. (Previously Presented) An apparatus comprising:

a tether having a length suitable for extending through a ventricle of a heart from, at a proximal end, an atrioventricular valve annulus to, at a distal end, one of a wall of a ventricle and a papillary muscle within the ventricle wherein the tether comprises a sheath and a duplex spring, wherein the sheath surrounds the duplex spring about a length of the duplex spring;

an aptation device coupled to the tether at a position corresponding to a location to contact cusps of an atrioventricular valve during systole, the aptation device comprising a body having a cross-sectional dimension greater than a cross-sectional dimension of the tether; and

a fastening member including a projection capable of anchoring the fastening member to a wall of a ventricle of a heart. wherein the tether and aptation device are suitable for percutaneous delivery to a patient, and wherein the distal end of the tether extends beyond a distal end of the aptation device.

- 4. (Original) The apparatus of claim 3, wherein the sheath of the tether comprises a material that resists thrombosis.
- 5. (Original) The apparatus of claim 1, wherein the tether comprises sufficient torsional stiffness to respond in kind at the distal end to a torque applied at the proximal end.
- 6. (Previously Presented) The apparatus of claim 1, wherein the fastening member is coupled to a distal end of the tether and the tether comprises sufficient tensile stiffness to withstand an extension of the tether in response to ventricular pressure changes.
- 7. (Currently Amended) The apparatus of claim 1, wherein the <u>fastening member is</u> <u>coupled to a distal end of the tether comprises a fastening member and is adapted to couple the tether to a wall of a ventricle in response to a torque applied to the proximal end of the tether.</u>
- 8. (Previously Presented) An apparatus comprising:

a tether having a length suitable for extending through a ventricle of a heart from, at a proximal end, an atrioventricular valve annulus to, at a distal end, one of a wall of a ventricle and a papillary muscle within the ventricle;

an aptation device coupled to the tether at a position corresponding to a location to contact cusps of an atrioventricular valve during systole, the aptation device comprising a body having a cross-sectional dimension greater than a cross-sectional dimension of the tether; and

a fastening member including a helical anchor coupled to a distal end of the tether having a length that may be completely embedded in a wall of a ventricle,

wherein the tether and aptation device are suitable for percutaneous delivery to a patient, and

wherein the distal end of the tether extends beyond a distal end of the aptation device.

9. (Original) The apparatus of claim 8, wherein the helical anchor comprises a barbed coiled spring.

10. (Previously Presented) An apparatus comprising:

a tether having a length suitable for extending through a ventricle of a heart from, at a proximal end, an atrioventricular valve annulus to, at a distal end, one of a wall of a ventricle and a papillary muscle within the ventricle;

an aptation device coupled to the tether at a position corresponding to a location to contact cusps of an atrioventricular valve during systole, the aptation device comprising a body having a cross-sectional dimension greater than a cross-sectional dimension of the tether; and

a fastening member comprising a projection capable of anchoring the fastening member to a wall of a ventricle of a heart,

wherein the tether and aptation device are suitable for percutaneous delivery to a patient. wherein the distal end of the tether extends beyond a distal end of the aptation device, and

wherein the distal end of the tether comprises a fastening member adapted to couple the tether to a wall of a ventricle in response to a torque applied to the proximal end of the tether and a patch having a cross-sectional area greater than a cross-sectional area of the tether and coupled about an axis of the tether at a portion proximal to the fastening member.

11. (Previously Presented) An apparatus comprising:

a tether having a length suitable for extending through a ventricle of a heart from, at a proximal end, an atrioventricular valve annulus to, at a distal end, one of a wall of a ventricle and a papillary muscle within the ventricle;

an aptation device coupled to the tether at a position corresponding to a location to contact cusps of an atrioventricular valve during systole, the aptation device comprising a body having a cross-sectional dimension greater than a cross-sectional dimension of the tether; and

a fastening member including a projection capable of anchoring the fastening member to a wall of a ventricle of a heart.

wherein the tether and aptation device are suitable for percutaneous delivery to a patient,

wherein the distal end of the tether extends beyond a distal end of the aptation device, and

wherein the tether has a length suitable for extending, at a proximal end, through an interatrial septum, the apparatus further comprising a patch having a cross-sectional area greater than a cross-sectional area of the tether and coupled about an axis of the tether at a portion, when the tether is placed through an interatrial septum and coupled at its distal end to a wall of a ventricle, that is proximal to the interatrial septum.

- 12. (Original) The apparatus of claim 11, further comprising a fastening member adapted to fasten a distal side of the patch to the interatrial septum.
- 13. (Original) The apparatus of claim 12, further comprising a stop coupled to the tether at a position on the proximal side of the patch.
- 14. (Withdrawn) The apparatus of claim 1, further comprising a ring having a diameter corresponding to an inner diameter of an atrioventricular valve annulus, wherein the aptation device is coupled at a proximal end to the ring.
- 15. (Withdrawn) The apparatus of claim 14, wherein the ring comprises a bridge extending across the ring and the aptation device is coupled to the bridge.
- 16. (Withdrawn) The apparatus of claim 15, wherein the bridge has an arcuate shape such that when positioned within an atrioventricular valve annulus, a portion of the bridge resides in an atrium.
- 17. (Previously Presented) The apparatus of claim 1, wherein the aptation device is coupled about the tether at a position corresponding to a position between cusps of an atrioventricular valve when the tether is positioned through an atrioventricular valve, and having a size suitable, when placed between cusps of an atrioventricular valve, that the cusps will aptate against the aptation device.

- 18. (Original) The apparatus of claim 17, wherein the aptation device comprises a cylindrical body.
- 19. (Original) The apparatus of claim 17, wherein a proximal end of the aptation device is coupled about an axis of the tether.
- 20. (Original) The apparatus of claim 17, wherein the aptation device comprises an ellipsoid body.
- 21. (Withdrawn) The apparatus of claim 17, wherein the aptation device comprises one of a conical body and a tear drop shaped body.
- 22. (Previously Presented) An apparatus comprising:

a tether having a length suitable for extending through a ventricle of a heart from, at a proximal end, an atrioventricular valve annulus to, at a distal end, one of a wall of a ventricle and a papillary muscle within the ventricle;

an aptation device coupled to the tether at a position corresponding to a location to contact cusps of an atrioventricular valve during systole, the aptation device comprising a body having a cross-sectional dimension greater than a cross-sectional dimension of the tether; and

a fastening member including a projection capable of anchoring the fastening member to a wall of a ventricle of a heart,

wherein the tether and aptation device are suitable for percutaneous delivery to a patient, wherein the distal end of the tether extends beyond a distal end of the aptation device, and

wherein the aptation device is coupled to the tether at a position corresponding to a position completely within an atrium during systole when the tether is positioned through an atrioventricular valve, such that one or both cusps contact a surface of the aptation device during systole.

23. (Original) The apparatus of claim 1, wherein the aptation device has a size that is less than a commissure of the cusps of the atrioventricular valve.

- 24. (Withdrawn) The apparatus of claim 23, wherein the aptation device comprises a disc-shaped body.
- 25. (Withdrawn) The apparatus of claim 24, wherein the aptation device comprises a superior surface and an inferior surface, and the inferior surface comprises a ridged surface topography.
- 26. (Withdrawn) The apparatus of claim 24, wherein the aptation device has at least one hole extending between the superior surface and the inferior surface.
- 27. (Withdrawn) The apparatus of claim 24, wherein the aptation device comprises a body having a marginal section along a longitudinal axis making the aptation device susceptible to a plication along the marginal section, the apparatus further comprising:

a sleeve coupled to the tether and positioned proximal to the aptation device, the sleeve having a dimension sufficient to minimize the plication of the aptation device in one direction.

- 28. (Original) The apparatus of claim 1, wherein the aptation device comprises a material that inhibits thrombosis.
- 29. (Withdrawn) The apparatus of claim 1, wherein the aptation device comprises a visualization marker.
- 30. (Previously Presented) An apparatus comprising:

a tether having a length suitable for extending through a ventricle of a heart from, at a proximal end, an atrioventricular valve annulus to, at a distal end, one of a wall of a ventricle and a papillary muscle within the ventricle;

an aptation device coupled to the tether at a position corresponding to a location to contact cusps of an atrioventricular valve during systole, the aptation device comprising a body having a cross-sectional dimension greater than a cross-sectional dimension of the tether; and

a fastening member including a projection capable of anchoring the fastening member to a wall of a ventricle of a heart,

wherein the tether and aptation device are suitable for percutaneous delivery to a patient, wherein the distal end of the tether extends beyond a distal end of the aptation device,

wherein the tether comprises a conductive lead.

31. (Original) The apparatus of claim 1, wherein a coupling point of the aptation device to the tether is adjustable.

Claims 32-72: (Canceled)

and